

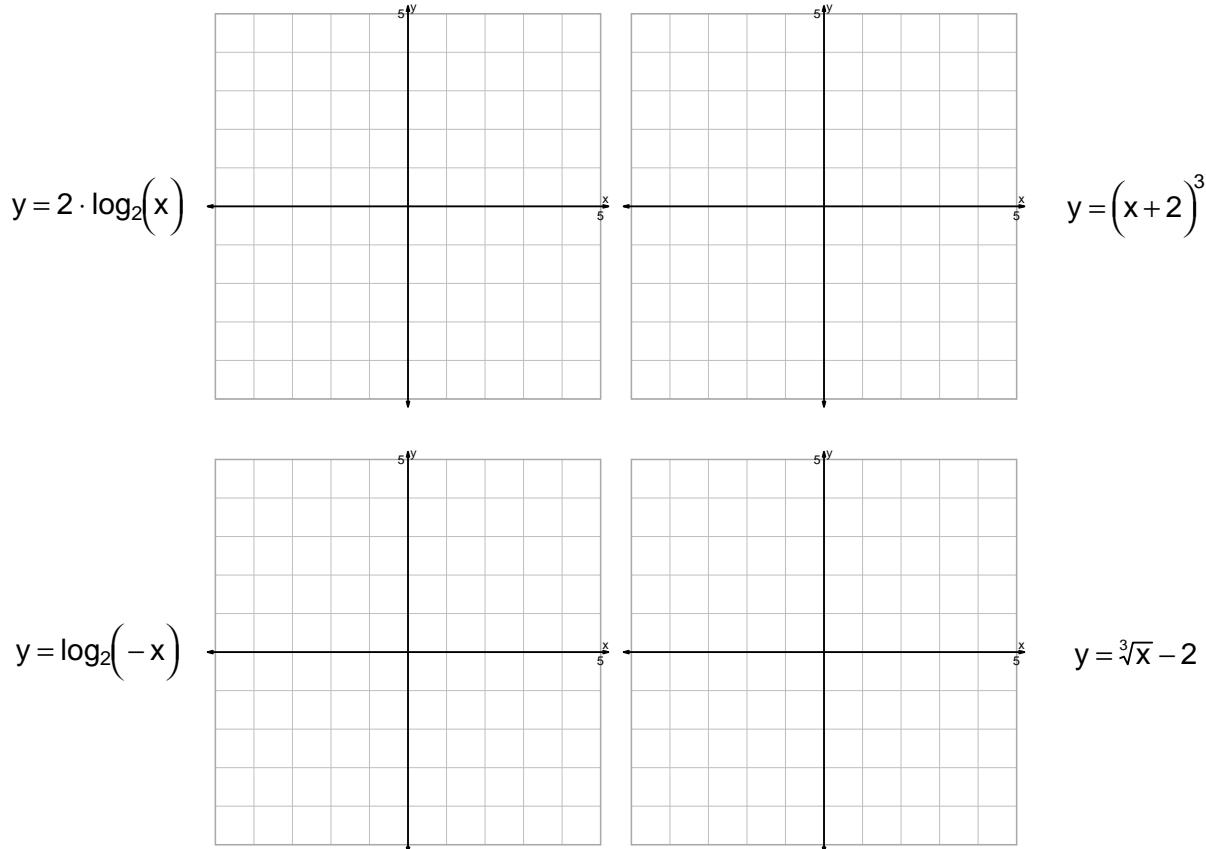
NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

## Unit-2 Reduced Mastery Assessment (version 306)

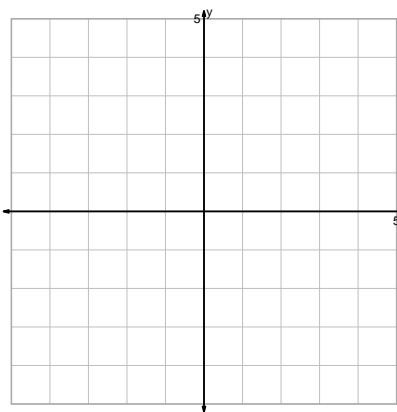
### Question 1 (20 points)

Graph the equations accurately. For each integer-integer point on the parent, indicate the corresponding point precisely. Also, with dashed lines, indicate any asymptotes.

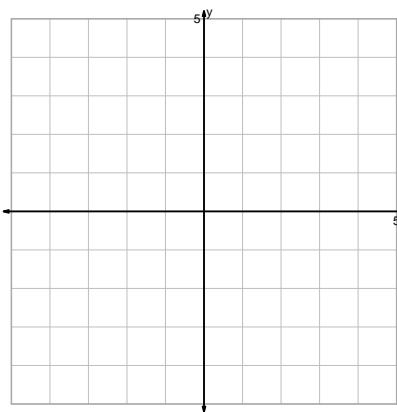


Question 2 continued...

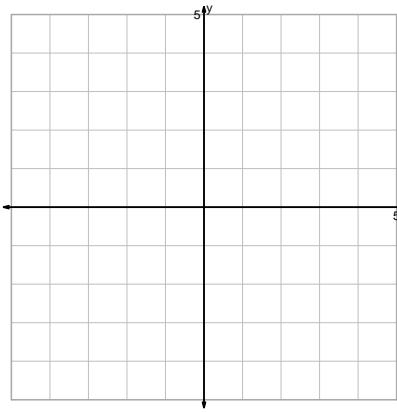
$$y = (2x)^2$$



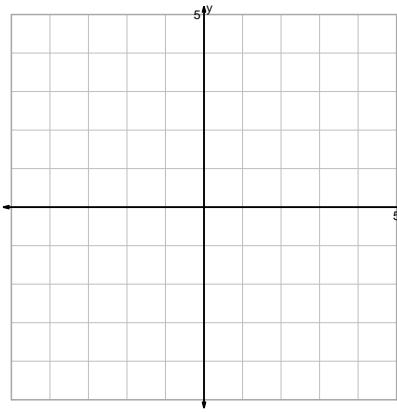
$$y = -\sqrt{x}$$



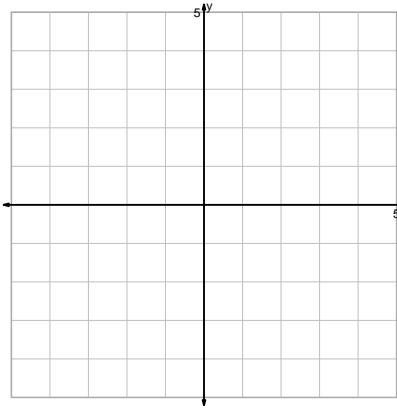
$$y = \sqrt[3]{x} + 2$$



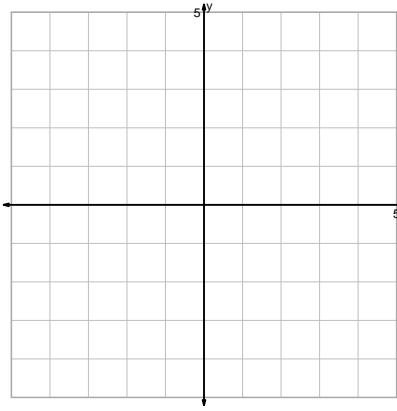
$$y = \sqrt{x-2}$$



$$y = \left(\frac{x}{2}\right)^3$$

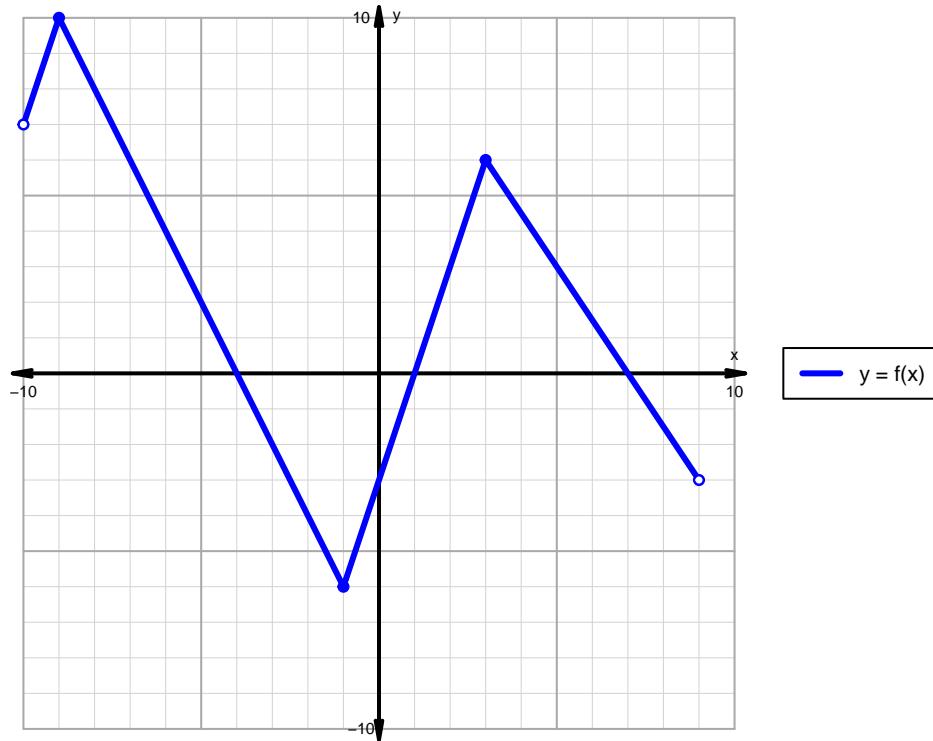


$$y = \frac{2^x}{2}$$



**Question 2 (20 points)**

A function is graphed below.



Indicate the following intervals using interval notation.

| Feature    | Where |
|------------|-------|
| Positive   |       |
| Negative   |       |
| Increasing |       |
| Decreasing |       |
| Domain     |       |
| Range      |       |